

## SOME NEW BOOKS.

## A Book on Money and Banking.

A work of profound research, sound judgment, remarkable lucidity and unique value on a subject of vast and obvious importance will be found embodied in two volumes just published by the Harpers, *The Principles of Money and Banking*, by CHARLES A. CONANT, formerly Commissioner on the Currency of the Philippines, member of the Commission on Internal Exchange, and well known as the author of "History of Modern Banks of Issue," "Wall Street and the Country," etc. This book should be, and is doubtless will be, in the hands of every banker and business man of the United States, and, through the French translation soon to appear in Paris, may be expected to have an equally wide circulation on the European continent. We call this work of unique value, so far, at least, as English-American readers are concerned, because hitherto there have been but two standard treatises in English which have dealt systematically with the subject of money and banking, namely, Gen. Walker's book on "Money" and Prof. Devons's on "Money and the Mechanism of Exchange." Mr. Conant generously concedes to both of these treatises a high order of merit, considering it attested by the fact that they have survived the changes which have taken place since they were written, more than a generation ago. It must, nevertheless, be recognized that both Gen. Walker and Prof. Devons are out of date, because they differed from the majority of modern economists on the two transcendent subjects of bi-metallicism and the principle of a banking currency. That is not only justified by the work of the present, but by the notable progress which has been made in monetary and banking science since their publication. Not a few problems which three decades ago seemed obscure have been solved by the illuminative process of events.

Systems of currency have been put successfully in operation which had not yet been subjected to the test of experience. Among the events of large significance which have marked the monetary history of the last generation has been, as our author points out in a preface, the steady progress toward the gold standard in commercial countries, until to day other monetary systems have practically been superseded in almost all civilized countries, except China and Latin America, by some form of money based on gold. It is one of Mr. Conant's vouchers for eminent qualification to discuss the subject of the money standard that have been taken to bring about the result just mentioned are several in which he had a share. We have in mind the course pursued in the Philippines, in Mexico and in the republic of Panama. Aside from the primary service with which his work is to be credited, that, namely, of supplying a record of recent and hitherto unchronicled monetary progress, two distinctive subjects will be found treated which were not dwelt upon in earlier systematic treatises. One is the fact that the development of money and of existing monetary systems has been the outcome of an age long evolution, extending from the cattle money (pecunia) of prehistoric times down to the perfected gold coin and the check and deposit system of to-day. The other relatively new fact discussed is that the progress of this evolution has followed the principle of "marginal utility," which has been so successfully employed by the scientific economists, but was not until recently applied to the subject of money. What is meant by "marginal utility"?

An answer to the question is set forth at length in the sixth chapter of the second book into which Mr. Conant's first volume is divided. We may say briefly that the so-called law of marginal utility is the essential principle governing the distribution of money between communities or, for that matter, individuals. This principle, as worked out by the Austrian school of economists, is simply the scientific form of the rule that every man will select possible objects of acquisition in the order in which he regards them as most necessary to himself. Thus a mariner about to desert a sinking ship would consider a boat or raft of the highest utility, because it would stand between him and death. The laboring man who receives, let us say, \$10 a week, is driven by the principle of marginal utility to employ, first, his slender resources in buying the articles which he thinks needful to sustain life. A loaf of bread, for example, is to him of the highest utility, because that of its equivalent in nourishing qualities is almost indispensable to his existence. In like manner, by a graduated scale, adjusted at each degree to the estimate of an article's utility, purchases from income are extended over an enlarged series of commodities, according as a sufficient supply of those most essential has already been obtained. This principle of marginal utility governs the investment of capital and the movement of money.

In this notice we shall confine ourselves to what the author has to say about money in its various aspects, a sufficiently comprehensive theme. We reserve for another and, we hope, early opportunity a review of the author's exposition of banking, including not only banks of issue, but banks of deposit and discount, together with a discussion of the clearing house system, the function of a stock exchange and the origin and right management of crises.

I. We would begin by directing attention to those sections of the first volume in which are described the evolution of the gold standard and the subsequent solution of the problem of stable exchange between gold and silver countries. In the third chapter of the third book of his treatise the author points out that the failure of all attempts to keep gold and silver in concurrent circulation gradually led, during the latter half of the nineteenth century, to the evolution of a monetary type which was not distinctly recognized, even where it was tacitly adopted, during antiquity and the Middle Ages. This type is the single gold standard. Mr. Conant shows how to the general adoption of the single gold standard two factors have contributed, namely, the growing preference for gold as the money of commerce and the realization of the fact that a sound standard should be of a single metal. There has been, undoubtedly, a long tendency in progressive communities to advance gradually from a cheaper to a more precious article as the material of money and the standard of exchanges. This has been the natural result of two causes, namely, an accumulation of a larger surplus fund of capital for investment in the medium of exchange and a rise in the scale of wages and prices. While the product of human labor was scanty, there could be but a small margin of saved capital above what was needed for daily wants. Hence there could be but a small fund of capital aside for investment in the medium of exchange. For similar reasons, arising out of the small productive power of labor, wages—where the wage system had come into operation—would be small

and the volume of transactions would be limited in a corresponding degree by the small purchasing power of members of the community.

Mr. Conant goes on to demonstrate that it has been by no arbitrary action of governments or individuals that gradually gold has been recognized formally as the standard, first of Great Britain and then of the nations of the continent of Europe and of the United States. It is especially fitted for large transactions, because of its great value in small bulk. This made it the money of international commerce, even while silver was largely used in domestic transactions. So strong is the tendency to select the most convenient instrument for making exchanges that even paper supercedes gold where it is equal to gold in value or where by law it is a legal tender for the amount of gold expressed on its face. The notes of the Bank of England are generally acceptable on the continent of Europe, because they afford one of the easiest means of making remittances to London. American legal tender and bank notes were similarly accepted in the Orient after the American occupation of the Philippines, because they offered a more portable and commodious method of remittance to New York than did gold coin or bullion. Our author adds that an important factor promoting the adoption of the gold standard was the great increase in the production of both of the precious metals in the nineteenth century.

The augmentation of the world's supply of gold made it practicable for one nation after another to find in the market and to acquire without too great an economic sacrifice a stock of the yellow metal adequate for the basis of its monetary system. The increase in the volume of metallic money, moreover, along with the economic changes which accompanied the evolution of money to goods in a way to make both of the precious metals less valuable than before and to bring the smaller gold pieces more nearly within the range of retail transactions. The opening of the mines of California and Australia, about 1850, so enlarged the stock of gold within a generation as to make it adequate to the needs of money in the principal commercial nations of the time. The subsequent discoveries in South Africa about 1870, and in Rhodesia and even later, tended to maintain the supply and to afford an increment thereof, which permitted even countries less strong in economic resources, like Austria, Russia and Japan, to follow successfully in the wake of other gold using countries.

Lastly, so far as this topic is concerned, we are invited to observe that inevitably as one nation after another adopted the gold standard the reasons were multiplied for its adoption by the others. This was not only so, but so, too, to the fact that the acceptance of the gold standard brought the nation which adopted it into relations of stable exchange with the richer nations, and, preeminently, with England. Another impelling cause was that every accession to the list of gold standard countries increased the stability of gold, by spreading over a wider field possible fluctuations in its exchange value arising from changes in the total supply or in the demand in any one country. Every nation which opened its mints to the free coinage of gold and closed them to silver widened by so much the market for gold bullion. With every widening of the market came a greater assurance of the ready absorption of new supplies of the yellow metal and of an attenuation of the influence of any given deficiency of supply. The large stock of gold now in use as money throughout the world, amounting, as it does, to nearly six thousand millions of dollars, affords a foundation upon which added increment of a single year can exercise but a slight influence and upon which any new and special demand can have only a small effect.

Gold has become the money of highly civilized States, because it is best adapted to their requirements for the purpose. Such adaptation was indicated by the change in the relative value of the two metals, which characterized the dawn of modern commerce after the discovery of the New World. A given weight of gold, which about the year 1500 was equal in value to 10.70 equal weights of silver, rose in relative value until it stood in the ratio of 1 to 11.80, weights of silver at the close of the sixteenth century; of 1 to 14½ in the middle of the next century, and of about 1 to 15 in 1700. Our author believes that, while a part of the change in the relative value of the two metals was due to the large production of silver in America, the United States deliberately sought to reduce the bulk of their silver coinage with gold, following the examples of Great Britain and Germany, then, indeed, with the expanding demand for the yellow metal in the arts, "the scramble for gold," which has been the nightmare of bimetallic dreams, might have become a reality. Mr. Conant thinks that the influence of the stationary production of the yellow metal was more acutely felt at the time of the international conference of 1851 than even seven years later, although the anxiety then expressed with regard to the threatened scarcity of gold was in his judgment as exaggerated as had been the fears expressed after 1850 about the abnormal increase of gold. It was at the conference of 1851 that the German delegates brought forward the suggestion that Germany should check her sales of old silver bullion, withdraw small gold pieces and notes of small denomination, and break up her large silver coins into smaller pieces. That such a policy should have been suggested was of special significance, because she had refused to send delegates to the international conference held three years earlier. It was at the conference of 1851 that Mr.

Broch, the delegate of Norway, while arguing strongly in favor of maintaining the gold standard among the civilized countries of the West, declared that the true field for silver was to be found "not by arbitrarily raising the value of the white metal in Europe and America but by encouraging its use in the countries of the Orient, which still had a preference for it, in the vast Chinese Empire, scarcely yet open to Europe, and in that immense African continent which to-day is invaded on all sides and where trade is still carried on under the primitive form of barter, but where it would no doubt be easy to introduce the use of silver money. Mr. Broch undoubtedly anticipated to some extent the actual course of events. He seemed not to foresee, however, the recognition by many countries of the necessity of establishing a fixed ratio of exchange for the two metals.

Under the name of events British India, which finds use for nearly 600,000,000 in full legal tender silver, decided that this silver must be maintained at a fixed ratio to gold. Accordingly the British Government, by the act of 1899, created a gold fund in India and at London for the purpose of creating a parity of the standard silver coin with the yellow metal. The standard coin, known as the rupee, contains silver worth originally a little less than 50 cents in American money, but gradually it fell to the level of silver bullion in 1893, when the free coinage of rupees was suspended and an attempt was made to fix their value at 16 pence, or about 32 cents. At first the experiment was difficult, because there was a surplus of rupees, and they poured out in great quantities from hoards when it became known that their legal value had been raised above their bullion value. The Calcutta Government, however, persevered in selling exchange on India at London at rates as near the new ratio as could be obtained and in forcing rupees in India at that rate for public dues. Under ordinary conditions these measures would almost of themselves have maintained a limited silver coinage at par with the standard. Although this result was delayed in India, the Calcutta Government felt strong enough by 1899 to establish a gold reserve and offer to deliver silver rupees for gold. At first no offer was made to pay gold for rupees, but it was soon found that the limitation of the coinage had created a demand for rupees which sucked gold into the treasury instead of letting it out.

In the autumn of 1902 the Government of Mexico, awakening to the fact that its trade was being seriously hampered by the fluctuations of silver, sought the cooperation of the Peking Government and that of the United States in the prosecution of a method of steadying the exchange. After about three years delay the gold exchange standard was put in full operation in Mexico from May 1, 1905. The relative stability of silver during the year 1904 had tended to promote stability of exchange between Mexico and New York, and had made the transition easy from the standard of the Mexican silver peso to the new parity of two to one in American gold. The ratio of the two metals almost simultaneously adopted in the Philippines was approximately thirty-two to one, a recognition of the fact that in international markets silver had fallen in relation to gold by at least 50 per cent, since the ratio of fifteen and a half to one had been fixed by France and that of fifteen and a half to one by the United States. In the summer of 1904, by agreement between the Government of the United States and the new born republic of Panama, a similar parity was established in Panama and in the Canal Zone, which had been leased to the United States. To confer upon China the benefits of a similar monetary system was one of the chief objects of the American and Mexican Commissions in the conference with European Powers which took place in 1905. The difficulties to be surmounted in China are great, growing out of the absence of any uniform monetary system, the Imperial Government's inability to control the viceroys and the opposition of powerful banking interests. Much has been done, however, to overcome these obstacles, and there seems now to be little doubt that China will presently abandon her monetary isolation as the only important country which is not upon a gold basis, and will follow Japan into the ranks of gold exchange communities.

## III.

What is the relation of money to prices? This question is considered at length in the fourth chapter of the second book of the first volume. The conclusion reached by Mr. Conant is that such mathematical relationship as exists between the quantity of gold and prices, or between the currency and prices, is in actual transactions so obscured by other factors that it cannot be ascertained correctly or revealed conclusively by tables of prices of commodities. When additions to the stock of metallic money are large and permanent they act, finally, in some degree, upon prices; but this action cannot be exactly measured by any rule of mathematics and is often less potent than many other influences which affect commodities. As Leroy Beaulieu has pointed out in his "Political Economy," a very long time is needed for an increase of the money supply to percolate through all the channels of circulation and produce a general and uniform elevation of prices. 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